

THE COMMON HOUSE FLY.

flies that can spring into existence is kept will supply flies for an extended demic. within a few days! It is a serious household in Washington.

infest the United States during the hot fly. In an experiment made by the summer months. The advance guard of Health Department last summer it was this little enemy of health is already shown that one fly carried 100,000 disease all parts of the world. This fly, on ac-

neighborhood. The form and character of the fly's question and one that should be body is particularly adapted for carrycarefully thought of by every ing infectious diseases, and as they mulof millions for every fly, the spread of disease-breeding germs is apparent.

HAT is to be done with the Physicians credit a vast majority of house fly, recognized by diseases contracted during the summer bacteriologists as the most months, many epidemics of various dangerous of the insects that forms of sickness, to the path of the

bacteria-enough, physicians say to cast a whole city into the throes of an epi-

Several Species of Flies.

TONGUE

OF THE

HOUSE

There are several species of house flies, says Dr. L. O. Howard, of the bureau of entomology of the Department of Agriculture, but only one of these should be called the house fly proper. This variety is known as usca domestica. It is of medium size, of a grayish color and has its mouth tip spread out for sucking up liquid leads. It breeds in stables and door, and filth, and is found in nearly

int of the peculiar formation of its mouth, can not bite, although the impression is general that the biting fly s the same as the house fly. This dea is caused by the frequent appearance of the stable fly, which does bite. and which ands much of its food in the blood of animals and human beings. The stable fly is probably second in abundance of the fly family in the

SUCKING

DISK .OF

COMMON

HOUSE FLY.

United States. A third species is called the cluster fly. It is seen in large numbers early in the spring, and is considered just as dangerous as the two more abundant varieties. This fly is some larger than the house fly and as a prinking of yellowish hairs. This is the variety which is commonly seen dead upon the

window panes. The Health Department, under the direction of Dr. Woodward, has taken apon itself the task of ridding Wash ington of a great number of flies this ummer. It is known that the vast majority of them breed in stables, and every care will be taken to keep these places as clean as possible. The fly will also lay its eggs in cow stalls, but it does not multiply in such large rum-

bers there.

Ten Days One Generation. Ten days complete a generation of house flies in the summer. The number of eggs laid by each fly is 120. Thus it can be seen that in the course of a summer the offspring of a single, overwintering fly will reach a figure almost beyond belief,

Let it be assumed that one-half of a fly's eggs batch out and live to rear families of their own. One fly rears sixty females in ten days; or 3,600 in ten days more. In thirty days the aber has grown to 216,000, and to 12.960,000 in forty days. Allowing 1,060 files to the ounce, or 16,000 to the nound, it will be found that the total

Millions of Dangerons Germs. Prof. William L. Underwood of the

Massachusetts Institute of Technology, recently took a microscopic showing of the tracks of a fly across a plate of jelly, which takes up and nourishes disease germs. In the few seconds which it took to cross the surface of the jelly the fly deposited millions of dangerous germs. "The principal insect in the spread of

typhoid fever is the house fly," says Dr. Howard in his report from the Bureau of Entomology, "and many epiremics accredited to defective plumbing start with the house fly." "During the summer of 1897 a series of experiments were carried on with the intention of showing whether it would be possible to treat the stables in such a way as to stop the breeding of files. My experience with the use of airslaked lime to prevent the breeding of the horned fly suggested experimentation, with the different lime compounds found it to be perfectly impracticable to use air slaked lime, land plaster. or gas lime with good results. Few no larvae were killed by any of these three substances. Chloride of ime, however, I found to be an excellent maggot killer. Chloride of lime, so cheap in Europe, costs at the least 3 cents a pound in large quantities in this country, so that the frequent treatment with this substance would be out of the question in actual prac-些 迷

Experiments With Kerosene.

"I, therefore, carried on experiments with kerosene. I found that eight quarts of fresh refuse sprayed with one pint of kerosene, which was afterward washed down with one quart of water, was thoroughly rid of fiving maggots. Every individual was killed by the treatment. This experiment and others of a similar nature on a small scale were so satisfactory that I considered at the close of the season that a practical conclusion had been reached, and that it was perfectly possible to treat any refuse economically, and in such a way as to pre-vent the breeding of files.

'Practical work in the summer of demonstrated to me that this was simply another case where an experiment on a small scale failed to develop points which in prac-

screened if allowed to grow to any HYPNOTISM A CURE. SAYS NOTED DOCTOR (Continued from First Page.)

buildings mentioned, come from this

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Natural Enemies of Flies.

The house fly has a number of nat-

iral enemies. The house centipede

destroys it in considerable numbers,

frequently covers its body and gradu-

there is a small reddish mite which

ally destroys it and it is subject to the

attacks of parasites in its larvae condition. It is destroyed by beetles at

"The most effective energy, however,

n.uscae, which carries off files in

is a fungus disease known as empusi-

large numbers, particularly toward

the close of the season. The epidemic

ceases in December, and, although

many thousands are killed by it the re-

markable rapidity of development in

the early summer months soon re-

know of the life history of the common

house fly and from what we know from remedial experimentation al-

ready carried on, that it is perfectly

feasible for cities and towns to so

greatly reduce the number of these

annoying insects 23 to render them of

health departments of most of our

sances dangerous to health, and it is

easy for the health departments to

formulate rules concerning the con

struction and care of stables and the

keeping and disposal of refuse that

will do away with the house fly nuisance. Such a series of rules was

formulated in the spring of 1906 by the

health department of Asheville, N. C.,

and an effort is being made during this

summer to see if they are enforced.

The health department of the District

of Columbia issued a series of these rules May 3, 1906, by authority of the Commissioners of the District.

"One uniform method of ridding the community of the files cannot be adopt-

ed everywhere, but some of the follow-

ing sets of rules will apply in every lo-cality, and will prove effective:

of any sort to accumulate on your

'Do not allow any decaying matter

'Abolish all antiquated sewage sys

cities have the authority to abate nul-

'It would appear from what we

places the thousands destroyed.

comparatively slight account.

the same time.

notist over the hypnotized can be made practically absolute is shown by the readiness with which the hypnotist can make the hypnotized obey his commands, sleep, wake, laugh, weep, or go through any emotion at all. My medical brethren say to me that this sounds all very well, but how can it help the sick?

Two instances may answer that

I was summoned to the bedside of a society woman, a lady so brilliant that she narrowly escapes being a genius. As the result of a series of receptions, balls, theater parties, and so on, she had taken to her bed, suffering with what she called "an attack oof nerves." Her family physician had seen her. and told her she was worn outwhich, by the way, was not calculated to give her any confidence to herself or to inspire the belief that she would soon get well. Her intimate friends also called on her, sympathized with her, told her what a frightful thing nervous prostration was, and hazarded the hope that she might get well in iour months!

Naturally, when I found her, she was in despair, and her "attack of nerves" had increased to alarming proportions. I took her hand, assured her there was nothing serious the matter with her, and then, in the presence of two of her friends, she submitted to hypnotle treatment. In three days, she was driving on Connecticut avenue. Her entire recovery had been caused by her being hypnotized an hour on two separate days, and her brain receiving from my brain the emphatic suggestion that she was not ill, that her nerves were not shattered, and that they would rapidly be put into fit condition by the ordinary rules of health.

堰 埋 Man's Ambition Restored.

Another case was that of a young man who had been under medical treatment for two years. His trouble was that he had overworked himself in his collegiate studies, and, as a result of the despondent processes thought to which a tired brain is subject, he had persuaded himself that he was good for nothing and had given up practically every ambition he had ever had. By a course of suggestions to him that his life was just beginning. that his brain had received enough rest and that he would take up his work

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